1. **DO NOT USE THE COMPUTER FOR THIS**

2. **DRAW A BLOCK DIAGRAM OF THIS PROGRAM ON A PIECE OF PAPER (OR ON WORD). IN THE BLOCK DIAGRAM SHOW ALL RELATIONSHIPS BY DRAWING ARROWS FROM SUB TO SUPER. EACH INTERFACE EACH CLASS IS REPRESENTED BY A RECTANGLE.**

3. **WITHOUT IMPLEMENTING THE CODE, FIGURE OUT THE OUTPUT FOR THIS.**

4. **SHOW TO THE TA AND EXPLAIN HOW YOU GOT THE SOLUTION**

5. **THIS IS NOT AN EXTRA CREDIT EXERCISE.**

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**MULTIPLE INHERITANCE SAMPLE PROGRAM**

```java
public interface A {
    public int m1();
}

public abstract class B implements A {
    public abstract double m2();
}

public class C extends B {
    public int m1() {
        return 15;
    }

    public double m2() {
        return 1;  
    }
}
```

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1 Material provided by George Koutsogiannakis
public class D {
    
    public double m3() {
        return 30.6;
    }

    public interface F {
        public double m4();
    }

    public class DImpl extends D implements F {
        
        public double m4() {
            double d1 = m3();
            d1 = 4 * d1;
            return d1;
        }
    }

    public class E extends C implements F {
        
        public double m4() {
            DImpl di = new DImpl();
            double d = di.m4();
        }
    }
}
public class Client
{
    public static void main(String[] args)
    {
        E e = new E();
        System.out.println(e.m1());
        System.out.println(e.m2());
        System.out.println(e.m4());
    }
}

return d;